

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A media network station, comprising:
a media transceiver configured for sending and receiving unmodulated media signals over a media bus;
a data transceiver for sending and receiving control signals over a control bus;
a processor in communication with said media transceiver and said data transceiver for arbitrating transmission and reception of said media signals based on said control signals and preventing media signal collisions from occurring on said media bus;
and
wherein said media network station is configured for wall mounting.
2. (Original) The media network station according to claim 1, further comprising a switchable media bus termination network between said media transceiver and said media bus for balancing transmissions on said media bus.
3. (Original) The media network station according to claim 1, further comprising a switchable control bus termination network between said data transceiver and said control bus for balancing transmissions over said control bus.
4. (Original) The media network station according to claim 1, further comprising a media output connection in communication with said media transceiver for interconnecting received media signals with an external media device.

5. (Original) The media network station according to claim 1, further comprising a media input connection in communication with said media transceiver for interconnecting an external medial device with said media transceiver for media signal transmission over said media bus.

6. (Original) The media network station according to claim 1, further comprising a memory device in communication with said processor for storing computer instructions executable by said processor, said computer instructions implementing a method of switching arbitration to prevent said media signal collisions from occurring on said media bus.

7. (Currently Amended) A media network system, comprising:
a media bus;
a control bus; and
a plurality of media network stations connected to said media bus and said control bus, each digital media network station comprising:
a media transceiver configured for sending and receiving unmodulated media signals over said media bus;
a data transceiver for sending and receiving control signals over said control bus;
a processor in communication with said media transceiver and said data transceiver for arbitrating transmission and reception of said media signals based on said control signals and preventing media signal collisions from occurring on said media bus; and
wherein each said media network station is configured for wall mounting.

8. (Original) The media network system of claim 7, wherein each of said media network stations further comprises a memory device in communication with said processor for storing computer instructions executable by said processor, said computer instructions implementing a method of switching arbitration preventing said media signal collisions from occurring on said media bus.

9. (Original) The media network system of claim 7, wherein said media bus comprises a signal transmission technology selected from the group consisting of electrical, infra-red, ultrasonic, radio frequency and fiber optic technologies.

10. (Original) The media network system of claim 7, wherein said media bus comprises a plurality of media buses.

11. (Currently Amended) A method of switching arbitration in a media network system, said method comprising:

providing a digital media network system having a plurality of digital media network stations, each digital media network station configured for wall mounting and in communication with each other over an unmodulated media network bus, said digital media network bus comprising:

a digital media bus; and

a digital control bus;

one of said plurality of digital media network stations creating a control packet;

said one digital media network station sending said control packet on said control bus to all other digital media network stations;

said all other digital media network stations parsing said control packet; and

if said control packet comprises a system-wide broadcast command and there is no transmission on said media bus, executing said system-wide broadcast command.

12. (Original) The method according to claim 11, further comprising, if said control packet comprises a media network station-specific command, and there is no transmission on said media bus, executing a handshake and said media network station-specific command or else timing out.

13. (Original) The method according to claim 12, wherein said executing a handshake further comprises validating a response to ensure correct processing of said media network station-specific command.

14. (Currently Amended) A method of switching arbitration in a media network system, said method comprising:
providing said media network system including at least three media network stations,
each media network station configured for wall mounting and interconnected by a media bus and a control bus;
one of said at least three media network stations monitoring said control bus; and
said one of said at least three media network stations transmitting unmodulated media signals to all other of said at least three media network stations if said media bus is not being used.